

Appendix D

***** LCD PANEL *****
PIC16F819

* SET UP BASIC ENVIRONMENT
DEFINE CHAR_PACING 1000

PORTA.0 = CURRENT SENSE
PORTA.1 = POT
PORTA.2 = THERMISTOR
PORTA.3 = VOLTAGE SENSE
PORTA.4 =
PORTA.5 =

PORTB.0 =
PORTB.1 =
PORTB.2 =
PORTB.3 = NPN
PORTB.4 = PNP
PORTB.5 =
PORTB.6 =
PORTB.7 =

*
* ENVIRONMENT *
*

DEFINE CHAR_PACING 1000

*
* VARIABLES *
*

N	VAR	BYTE	BANK0
X	VAR	BYTE	
Y	VAR	BYTE	
Z	VAR	BYTE	

X2	VAR	WORD	BANK0
Y2	VAR	WORD	

MISCF	VAR	BYTE	BANK0
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LCNT	VAR	BYTE	
VOLTS	VAR	WORD	BANK0
VOUT	VAR	WORD	BANK0
CURRENT	VAR	WORD	BANK0
AMP	VAR	WORD	BANK0
TEMP	VAR	WORD	

ALCOP	VAR	BYTE	
ELOOP	VAR	BYTE	
PVOLT	VAR	BYTE	BANK0

BUCK	VAR	BYTE	
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ssave	VAR	BYTE	BANK0	SYSTEM
psave	VAR	BYTE	BANK0	SYSTEM
isrl	VAR	BYTE	BANK0	SYSTEM
icnt	VAR	BYTE	BANK0	SYSTEM
wsave	VAR	BYTE	\$20	SYSTEM
wsavel	VAR	BYTE	\$A0	SYSTEM

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* START OF PROGRAM *
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